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<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/783,146	FRANZ ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Dameon E. Levi	2841	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/27/2005 (Amendment), 12/15/2005 (Interview).
2. ☒ The allowed claim(s) is/are 10,12-24,26-29, and 31 (Renumbered 1-19).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                       |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance              |
|   | 9. <input type="checkbox"/> Other _____.  |

### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Manish Vyas (Reg. No. 54, 516) on 12/15/2005.

The application has been amended as follows:

#### AMEND CLAIM 10 AS FOLLOWS:

10. (Currently Amended) An apparatus, comprising:  
a leverage member pivotable with respect to an electronic component securable with respect to a chassis; [and]  
a first engagement member located on a first side of a centerline of the electronic component and a second engagement member located on a second side of the centerline of the electronic component opposite the first side, wherein the first and second engagement members pivot with respect to the electronic component in response to the actuation of the leverage member, and wherein the first and second engagement members are configured to cooperate with the chassis to provide an engagement biasing force and a disengagement biasing force between the electronic component and the chassis [.];  
a first linkage member pivotably coupled to the leverage member and

Art Unit: 2841

the first engagement member;

a second linkage member pivotably coupled to the leverage member and

the second engagement member; and

wherein the first and second linkage members are configured to pivotably actuate

the first and second engagement members in response to actuation of the

leverage member to bias a first electrical connector coupled to

the electronic component between engaged and disengaged positions with respect to a

second electrical connector coupled on the chassis.

**CANCEL CLAIM 11:**

**AMEND CLAIM 24 AS FOLLOWS:**

24. (currently amended) A computer device, comprising:

a chassis;

a first electrical connector electrically coupled to a first computer component  
disposed in the chassis;

a second computer component having a second electrical connector configured to  
engage with the first electrical connector; [and]

a biasing mechanism cooperative with the chassis to provide an engagement  
biasing force and a disengagement biasing force between the second  
component and the chassis, comprising:

a leverage member pivotable with respect to the second computer

Art Unit: 2841

component; and

first and second biasing members pivotably coupled to the leverage

member at opposite sides of the second computer component,

wherein the first and second biasing members are configured to

bias the second electrical connector between engaged and

disengaged positions with respect to the first electrical connector in

response to actuation of the leverage member[.] ;

a first linkage member pivotably coupled to the first biasing member and the leverage member, and a second linkage member pivotably coupled to the second biasing member and the leverage member.

**CANCEL CLAIM 25:**

**CANCEL CLAIM 30:**

**AMEND CLAIM 31 AS FOLLOWS:**

31. (currently amended) A computer device, comprising:

means for synchronously pivoting first and second engagement members located

on opposite sides of a computer component and extendable beyond opposite edges of the computer component, and cooperative with a

computer device chassis to provide an engagement biasing force and a

disengagement biasing force on the computer component; and

means for leveraging the means for synchronously pivoting to bias the first and second engagement members cooperatively to bias the computer component between engaged and disengaged positions with respect to a computer device.

***Allowable Subject Matter***

Claims 10,12-24,26-29, and 31(Renumbered 1-19) are allowable.

The following is an examiner's statement of reasons for allowance: In response to remarks and claim amendments made in Applicant's Amendment submitted 10/27/2005 , as well as, an Interview with Applicant's Representative on 12/15/2005, the Office indicates that the claims, as emended, are allowable.

Regarding claim 10, patentability exists, at least in part, with a first linkage member pivotably coupled to the leverage member and the first engagement member; a second linkage member pivotably coupled to the leverage member and the second engagement member; and wherein the first and second linkage members are configured to pivotably actuate the first and second engagement members in response to actuation of the leverage member to bias a first electrical connector coupled to the electronic component between engaged and disengaged positions with respect to a second electrical connector coupled on the chassis.

Regarding claim 17, patentability exists, at least in part, with a leverage member pivotably coupled to the electronic component at a pivot joint; first and second biasing members pivotably coupled to the electronic component at first and second nonadjacent edges, respectively; first and second linkage members pivotably coupled to the leverage

Art Unit: 2841

member and to the first and second biasing members, respectively; wherein the first and second biasing members cooperate to bias the first electrical connector between disengaged and engaged positions with respect to a second electrical connector in response to actuation of the leverage member.

Regarding claim 24, patentability exists, at least in part, with first and second biasing members pivotably coupled to the leverage member at opposite sides of the second computer component, wherein the first and second biasing members are configured to bias the second electrical connector between engaged and disengaged positions with respect to the first electrical connector in response to actuation of the leverage member; a first linkage member pivotably coupled to the first biasing member and the leverage member, and a second linkage member pivotably coupled to the second biasing member and the leverage member.

Regarding claim 31, patentability exists, at least in part, with, means for synchronously pivoting first and second engagement members located on opposite sides of a computer component and extendable beyond opposite edges of the computer component, and cooperative with a computer device chassis to provide an engagement biasing force and a disengagement biasing force on the computer component; and means for leveraging the means for synchronously pivoting to bias the first and second engagement members cooperatively to bias the computer component between engaged and disengaged positions with respect to a computer device.

Nolan et al US Patent 6252514, and Siahpolo et al US Patent 6975519 are cited as the closest prior art disclosing some elements of the claimed invention including the

Art Unit: 2841

engagement members and the linkage members as claimed with the electronic component and the chassis.

The references do not teach or suggest a leverage member that is pivotably coupled to the linkage members and associated with the other elements arranged in the manner as claimed by the Applicants.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dameon E. Levi whose telephone number is (571) 272-2105. The examiner can normally be reached on Mon.-Fri. (9:00 - 5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamand Cuneo can be reached on (571) 272-1957. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.


Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Application/Control Number: 10/783,146  
Art Unit: 2841

Page 8

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Art Unit 2841



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